# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

***NAME OF WORK:- Detailed Estimate for the Improvements of Roads in DEO- RESIDENCY Layout and Surroundings in ward No. 7 Byatarayanpura, Kodigehalli sub division***

| | | | | | | | ESTIMATED COST | | 3500000.00 |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate in Rs | Amount in Rs |
| 1 | KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 157, Item No. 21.6) | | | | | | Sqm | | |
| | C Galaxy Residency Road | | 2 | 155 | 2.00 | | 620.00 | | |
| | D Deo Residency Layout Road | | 1 | 51 | 9.00 | | 459.00 | | |
| | E Deo Residency Layout Road | | 1 | 155 | 7.40 | | 1147.00 | | |
| | F Deo Residency Layout Road | | 1 | 73 | 7.40 | | 540.20 | | |
| | G Deo Residency Layout Road | | 1 | 43 | 6.00 | | 258.00 | | |
| | H Deo Residency Layout Road | | 1 | 142 | 7.30 | | 1036.60 | | |
| | I Deo Residency Layout Road | | 1 | 59 | 6.40 | | 377.60 | | |
| | J Deo Residency Layout Road | | 1 | 56 | 7.50 | | 420.00 | | |
| | K Deo Residency Layout Road | | 1 | 95 | 6.40 | | 608.00 | | |
| | L Deo Residency Layout Road | | 1 | 28 | 6.00 | | 168.00 | | |
| | Cross Roads | | 3 | 33 | 6.00 | | 594.00 | | |
| | | | | | | | 6228.40 | 35.21 | 219290.00 |
| | Basic Rate Rs. | 32.60 | | | | | | | |
| | Add 8% A.W Rs. | 2.61 | | | | | | | |
| | **Total Rate Rs.** | **35.21** | | | | | | | |
| 2 | KSRRB M500-18. Providing and laying dense Graded bituminous Macadum using crushed agregates of specified grading premixed with VG30grade bituminous binder and transporting the hot mix to work site , laying to the required grade , level and allignment , rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per morth table 500-10 complete in all respects complete as per specification -do- using 40/60 TPH capacity H.M.P With sensor paver Gr-11 (50mm to 75mm ) with 4% VG-30Bitumen pg 159 i.no 21.17.4 | | | | | | | Cum | | |
| | C Galaxy Residency Road | | 2 | 155.00 | 2.00 | 0.05 | 31.00 | | |
| | D Deo Residency Layout Road | | 1 | 51.00 | 9.00 | 0.05 | 22.95 | | |
| | E Deo Residency Layout Road | | 1 | 155.00 | 7.40 | 0.05 | 57.35 | | |
| | F Deo Residency Layout Road | | 1 | 73.00 | 7.40 | 0.05 | 27.01 | | |
| | G Deo Residency Layout Road | | 1 | 43.00 | 6.00 | 0.05 | 12.90 | | |
| | H Deo Residency Layout Road | | 1 | 142.00 | 7.30 | 0.05 | 51.83 | | |
| | I Deo Residency Layout Road | | 1 | 59.00 | 6.40 | 0.05 | 18.88 | | |
| | J Deo Residency Layout Road | | 1 | 56.00 | 7.50 | 0.05 | 21.00 | | |
| | K Deo Residency Layout Road | | 1 | 95.00 | 6.40 | 0.05 | 30.40 | | |
| | L Deo Residency Layout Road | | 1 | 28.00 | 6.00 | 0.05 | 8.40 | | |
| | Cross Roads | | 3 | 33.00 | 6.00 | 0.05 | 29.70 | | |
| | | | | | | | **311.42** | 9115.20 | **2838656.00** |
| | Basic Rate Rs. | 8440.00 | | | | | | | |
| | Add 8% A.W Rs. | 675.20 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Total Rate Rs.** | **9115.20** | | | | | | | |
| 3 | KSSRB M500 10 Providing and applying tack coat using 80/100 grade bitumen (VG10) by boiler fitted with spray set distrubuter at the rate of 0.2 kg per sqm on existing prepared bitumenous surface cleaned with mechanical broom complete as per specification pg no : 158 Item no : 21.10 | | | | | | | | |
| | C Galaxy Residency Road | | 2 | 155.00 | 2.00 | | 620.00 | | |
| | D Deo Residency Layout Road | | 1 | 51.00 | 1.00 | | 51.00 | | |
| | E Deo Residency Layout Road | | 1 | 155.00 | 1.00 | | 155.00 | | |
| | F Deo Residency Layout Road | | 1 | 73.00 | 1.00 | | 73.00 | | |
| | G Deo Residency Layout Road | | 1 | 43.00 | 1.00 | | 43.00 | | |
| | H Deo Residency Layout Road | | 1 | 142.00 | 1.00 | | 142.00 | | |
| | I Deo Residency Layout Road | | 1 | 59.00 | 1.00 | | 59.00 | | |
| | J Deo Residency Layout Road | | 1 | 56.00 | 1.00 | | 56.00 | | |
| | K Deo Residency Layout Road | | 1 | 95.00 | 1.00 | | 95.00 | | |
| | L Deo Residency Layout Road | | 1 | 28.00 | 1.00 | | 28.00 | | |
| | Cross Roads | | 3 | 33.00 | 1.00 | | 99.00 | | |
| | | | | | | | 1322.00 | 14.59 | **19289.00** |
| | Basic Rate Rs. | 13.51 | | | | | | | |
| | Add 8% A.W Rs. | 1.08 | | | | | | | |
| | **Total Rate Rs.** | **14.59** | | | | | | | |
| | | | | | | | | | |
| 4 | KSRRB M500-19. Providing and laying bituminous concrete Using crushed agregate of spacifying grading , premixed with bituminious binder and filler , transporting the hot mx to work site , laying with paver finisher to the required grade , level and allignment , rolling with the smooth wheeled vibrator and tandem rollers to archive the desired compaction as per MORTH specification clause no 509 complete in all respects complete as per specification -do- using 40/60 TPH capacity H.M.P with sensor paver Gr - 1 (50mmto 60mm) with 5.5% CRMB 55 ( P.161 item no 21.23.3) | | | | | | **Cum** | | |
| | C Galaxy Residency Road | | 2 | 155.00 | 0.60 | 0.04 | 7.44 | | |
| | D Deo Residency Layout Road | | 1 | 51.00 | 0.60 | 0.04 | 1.22 | | |
| | E Deo Residency Layout Road | | 1 | 155.00 | 0.60 | 0.04 | 3.72 | | |
| | F Deo Residency Layout Road | | 1 | 73.00 | 0.60 | 0.04 | 1.752 | | |
| | G Deo Residency Layout Road | | 1 | 43.00 | 0.60 | 0.04 | 1.03 | | |
| | H Deo Residency Layout Road | | 1 | 142.00 | 0.60 | 0.04 | 3.41 | | |
| | I Deo Residency Layout Road | | 1 | 59.00 | 0.60 | 0.04 | 1.42 | | |
| | J Deo Residency Layout Road | | 1 | 56.00 | 0.60 | 0.04 | 1.34 | | |
| | K Deo Residency Layout Road | | 1 | 95.00 | 0.60 | 0.04 | 2.28 | | |
| | L Deo Residency Layout Road | | 1 | 28.00 | 0.60 | 0.04 | 0.67 | | |
| | Cross Roads | | 3 | 33.00 | 0.60 | 0.04 | 2.38 | | |
| | | | | | | | **24.29** | 12139.20 | **294837.00** |
| | Basic Rate Rs. | 11240.00 | | | | | | | |
| | Add 8% A.W Rs. | 899.20 | | | | | | | |
| | **Total Rate Rs.** | **12139.20** | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No. 178, Item No. 24.15) SR 2014-15 | | | | | | Sqm | | |
| | C Galaxy Residency Road | | 2 | 155.00 | 0.10 | | 31.00 | | |
| | D Deo Residency Layout Road | | 2 | 51.00 | 0.10 | | 10.20 | | |
| | E Deo Residency Layout Road | | 2 | 155.00 | 0.10 | | 31.00 | | |
| | F Deo Residency Layout Road | | 2 | 73.00 | 0.10 | | 14.60 | | |
| | G Deo Residency Layout Road | | 2 | 43.00 | 0.10 | | 8.60 | | |
| | H Deo Residency Layout Road | | 2 | 142.00 | 0.10 | | 28.40 | | |
| | I Deo Residency Layout Road | | 2 | 59.00 | 0.10 | | 11.80 | | |
| | J Deo Residency Layout Road | | 2 | 56.00 | 0.10 | | 11.20 | | |
| | K Deo Residency Layout Road | | 2 | 95.00 | 0.10 | | 19.00 | | |
| | L Deo Residency Layout Road | | 2 | 28.00 | 0.10 | | 5.60 | | |
| | Cross Roads | | 3 | 33.00 | 0.10 | | 9.90 | | |
| | | | | | | | 181.30 | 475.20 | 86154.00 |
| | Basic Rate Rs. | 440.00 | | | | | | | |
| | Add 8% A.W Rs. | 35.20 | | | | | | | |
| | **Total Rate Rs.** | **475.20** | | | | | | | |
| 6 | Third party inspection charges 1% | | | | | | | | 34582.00 |
| 7 | Miscelleneous & Rounding off | | | | | | | | 7192.00 |
| | | | | | | | | **Toatl Rs.** | **3500000.00** |

**(Rupees:- Thirty Five Lakhs Only)**

**CERTIFICATE:**

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2014-2015.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVELY SANCTIONED FOR Rs.....35.00 lacs

Rupees Thirty Five lacks only

Under Jo b.no0 -007- 15-000038

Register... JE( ) No. ...3.....9....
Subject ... conditions contained in
enclosed memo EE ( ) No. .....9/...
Dt..... Executive Engineer sanctioned
JC(4)/001/AS/1171/14
dated 12/2/2015 Rs. 35.00 lacs

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction for Rs. 3500000=00
Thirty Five lakhs Rs only

P-2415
Job code 007-15-000038
10
Replies to conditions Subject
No: 41 Dt. 12/02/15
AEJE 12/02
EE (BTP Div.)
12/02/2015

NAME OF WORKS: Improvements and Asphaltings to Road in Deo. Residency Lay-out and Surrounding in Ward no 7 Byatarayanapura, Kodigehalli Division

N

NOT-TO-SCALE